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## Claims:

- 1 1. A heat sink assembly comprising:
- a frame;
  - a plurality of fins spacedly received in the frame, each fin defining at least one through hole and forming a plurality of tabs extending around a periphery of each through hole; and
- at least one duct inserted through the through holes of the fins and in thermal contact with the plurality of tabs.
- 2. The heat sink assembly as recited in claim 1, wherein the plurality of tabs of each fin comprise a tapered tab and a plurality of locating tabs.
- 3. The heat sink assembly as recited in claim 1, wherein a slot is defined in each tapered tab of each fin, for receiving an end of a tapered tab of an adjacent fin.
  - 4. The heat sink assembly as recited in claim 1, wherein a pair of locating portions extends from each fin for forming intervals between the fins.
    - 5. The heat sink assembly as recited in claim 4, wherein a pair of abutting flanges respectively extends vertically toward each other from free ends of the locating portions of each fin, for abutting an adjacent fin.
- 6. The heat sink assembly as recited in claim 1, wherein each duct is made of highly heat-conductive metal.
- 7. The heat sink assembly as recited in claim 1, wherein the frame comprises a pair of generally L-shaped casings connected together.
  - -8 The heat sink assembly as recited in claim 7, wherein at least one casing defines a pair of end tabs for abutting outmost fins.
  - 9. The heat sink assembly as recited in claim 7, wherein at least one latching

- 2 hole is defined in each casing for interferentially engaging with an end of 3 the corresponding duct.
- 1 10. The heat sink assembly as recited in claim 7, wherein at least one 2 reinforcing flange extends inwardly from opposite lateral edges of a 3 horizontal wall of at least one casing, and at least one screw hole is defined 4 in each reinforcing flange for securing the heat sink assembly to a fan.
- 1 11. A heat sink system comprising:
- 2 a fan;

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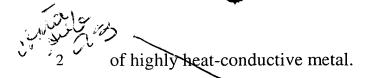
- a heat pipe adapted to be attached to a heat-generating electronic device, the heat pipe comprising at least one free end; and
  - a heat sink secured to the fan, the heat sink comprising a frame, a plurality of fins and at least one duct, the fins and the duct being accommodated in the frame, each fin defining at least one through hole for insertion of the corresponding duct therein, the frame defining at least one latching hole for interferentially engaging with an end of the corresponding duct, each duct interferentially receiving the corresponding free end of the heat pipe therein;
- 1 12. The heat sink system as recited in claim 11, wherein a tapered tab and at
  2 least one locating tab extend from each fin around a periphery of each
  3 through hole, for abutting the corresponding duct.
- 1 13. The heat sink system as recited in claim 11, wherein a pair of locating portions extends from each fin, for forming intervals between the fins.
- 1 14. The heat sink assembly as recited in claim 13, wherein a pair of abutting
  2 flanges respectively extends vertically toward each other from free ends of
  3 the locating portions of each fin, for abutting an adjacent fin.
- 1 15. The heat sink assembly as recited in claim 11, wherein each duct is made

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- 1 16. The heat sink assembly as recited in claim 11, wherein the frame comprises a pair of generally L-shaped casings connected together.
- 1 17. The heat sink assembly as recited in claim 16, wherein at least one casing defines a pair of end tabs for abutting outmost fins.
  - 18. The heat sink assembly as recited in claim 16, wherein at least one latching hole is defined in each casing for interferentially engaging with an end of the corresponding duct.
  - 19. The heat sink assembly as recited in claim 16, wherein at least one reinforcing flange extends inwardly from opposite lateral edges of a horizontal wall of at least one casing, and at least one screw hole is defined in each reinforcing flange for securing the heat sink assembly to a fan.

